

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

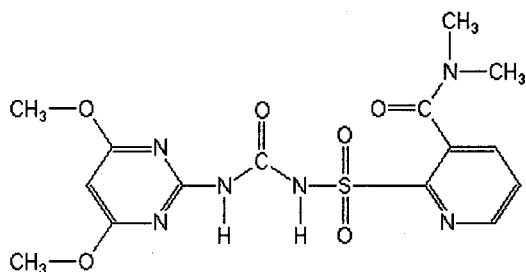
Analyte: Nicosulfuron

CAS No.: 111991-09-4

Formula: C₁₅H₁₈N₆O₆S

Molecular mass (lowest isotopes): 410,10 amu

Structure:



Ionisation: ESI +

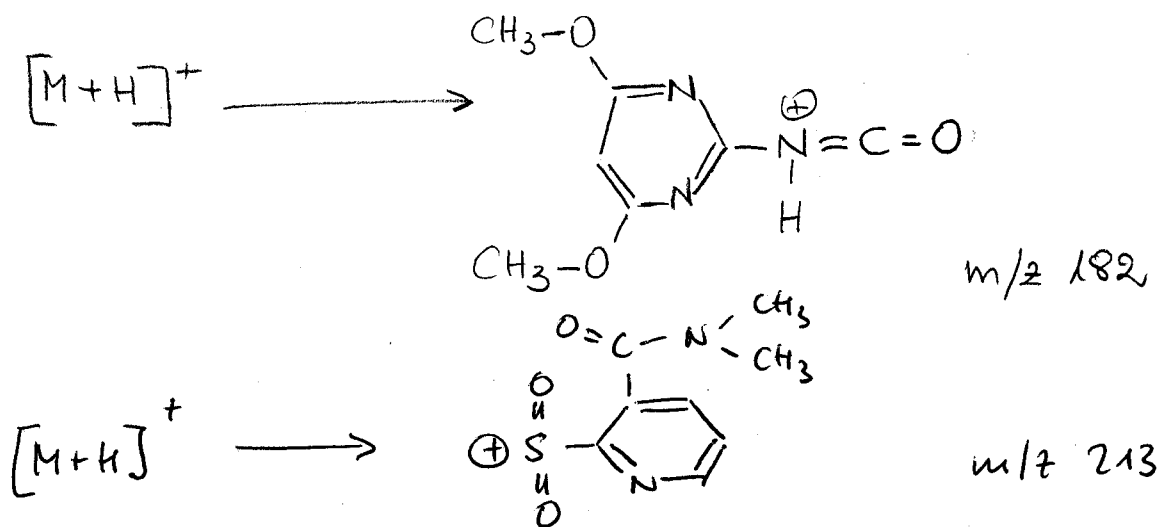
Quasimolecular ion: 411,1 amu = [M+H]⁺

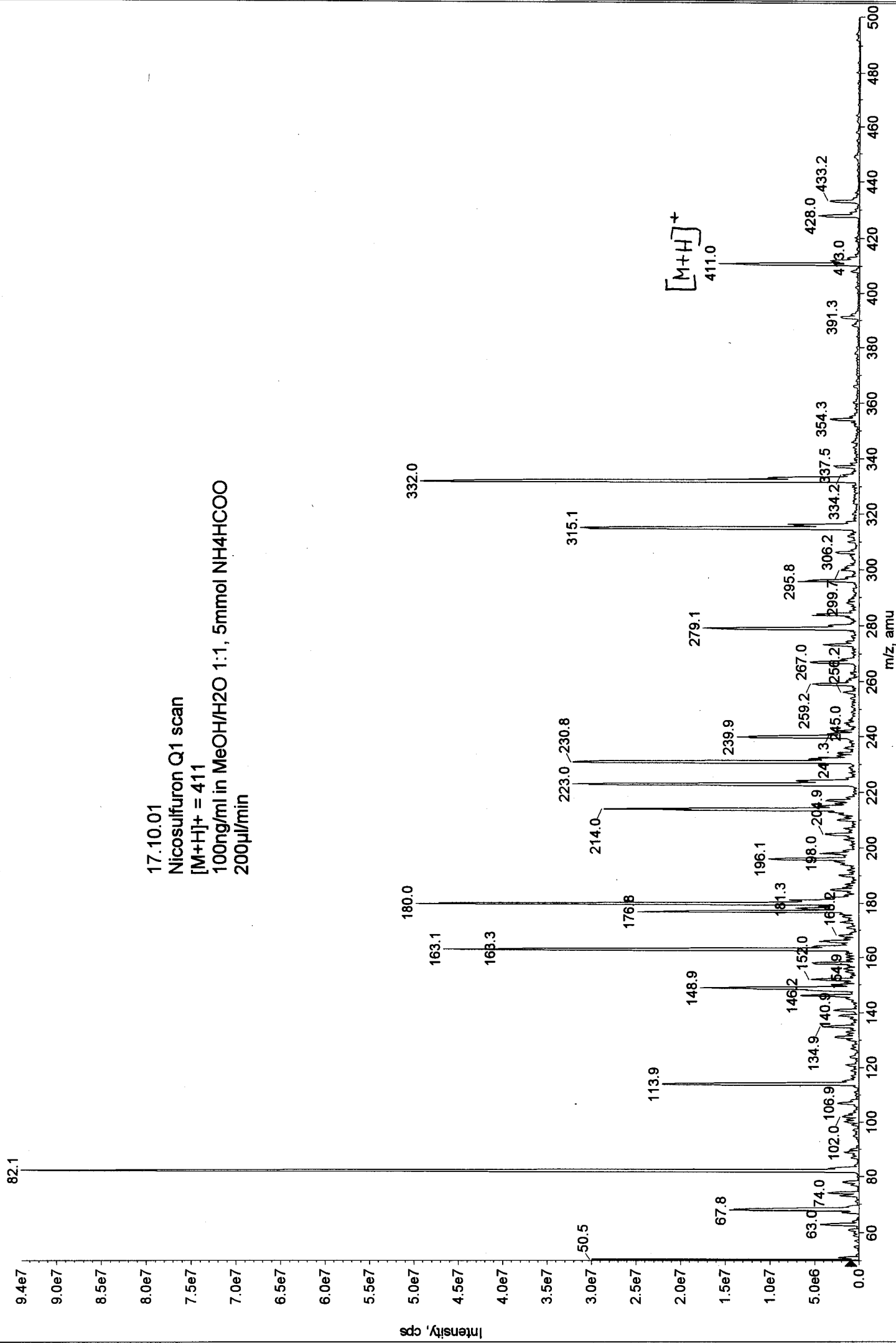
Analyte sensitive parameter set (API 2000)

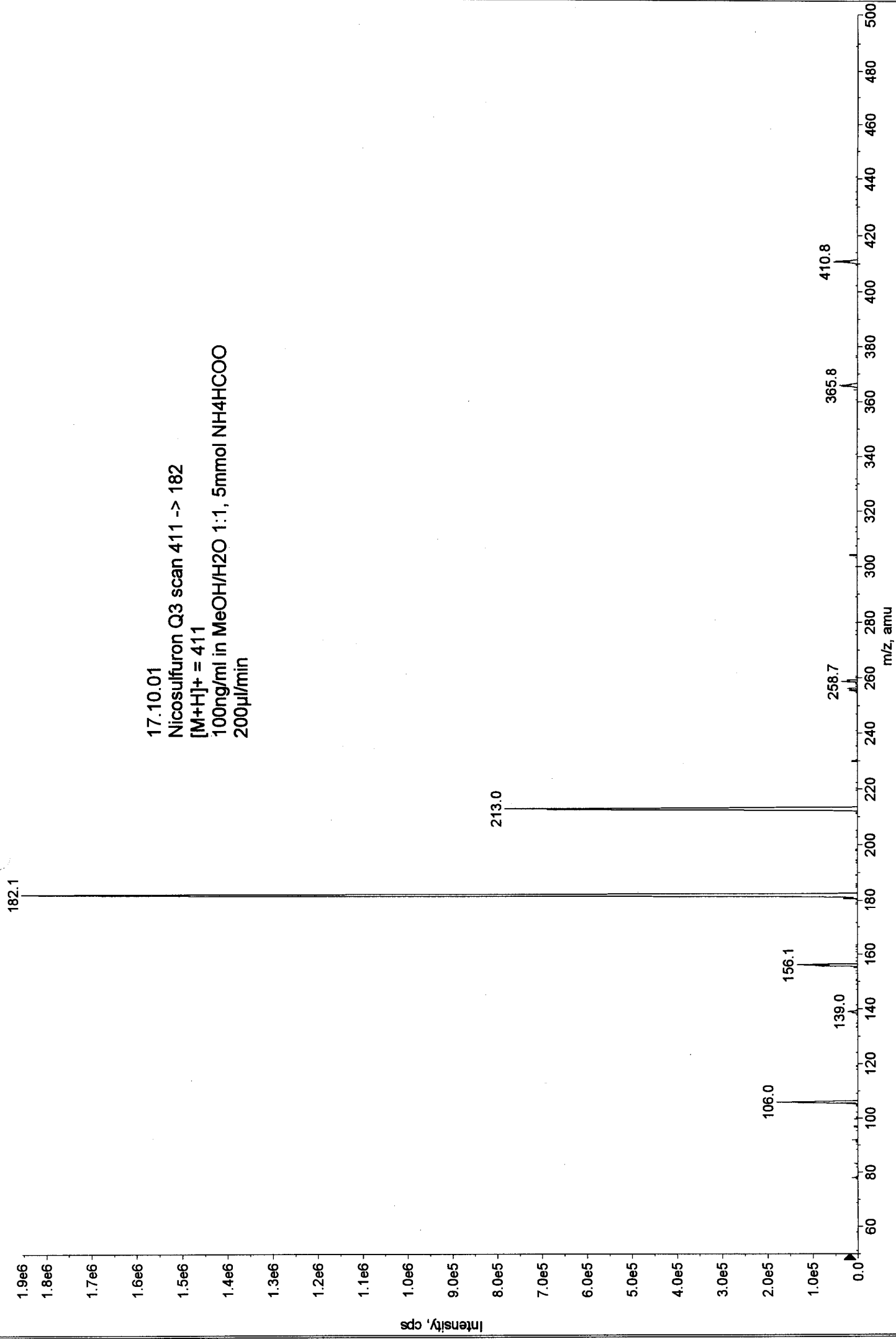
Transition	411,1 → 182,1	411,1 → 213,0
Declustering potential (DP) ^{*)}	61 V	61 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	9,0 V	10,0 V
Collision cell entrance potential (CEP)	19 V	22 V
Collision energy (CE)	25 V	23 V
Collision cell exit potential (CXP)	8 V	10 V

^{*)} For API 3000 and 4000 enhance DP by 20V

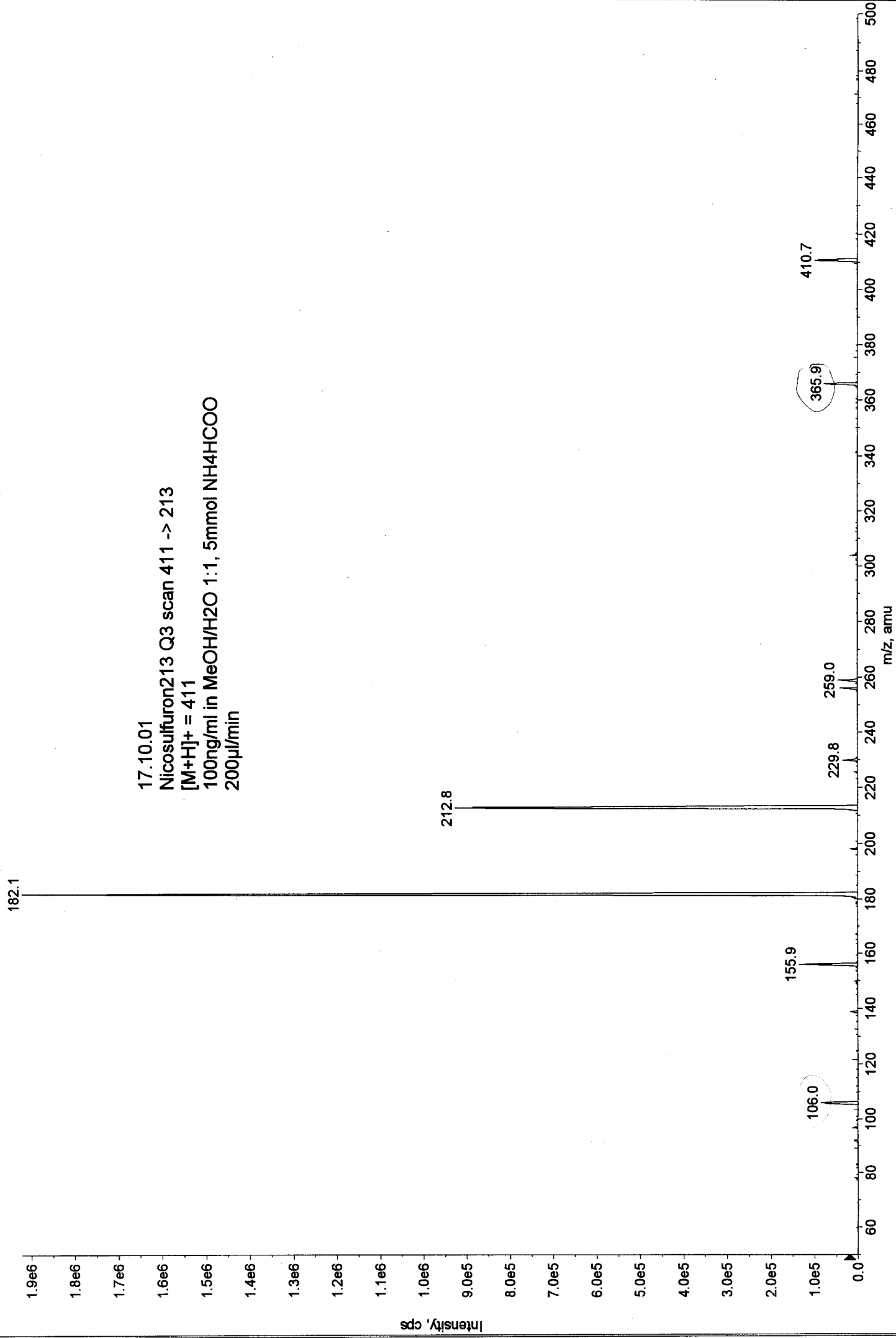
Fragmentation







17.10.01
Nicosulfuron Q3 scan 411 -> 182
[M+H]⁺ = 411
100ng/ml in MeOH/H₂O 1:1, 5mmol NH₄HCOO
200µl/min



17.10.01
Nicosulfuron213 Q3 scan 411 -> 213
[M+H]⁺ = 411
100ng/ml in MeOH/H₂O 1:1, 5mmol NH₄HCOO
200µl/min

